

*F i g. 1*

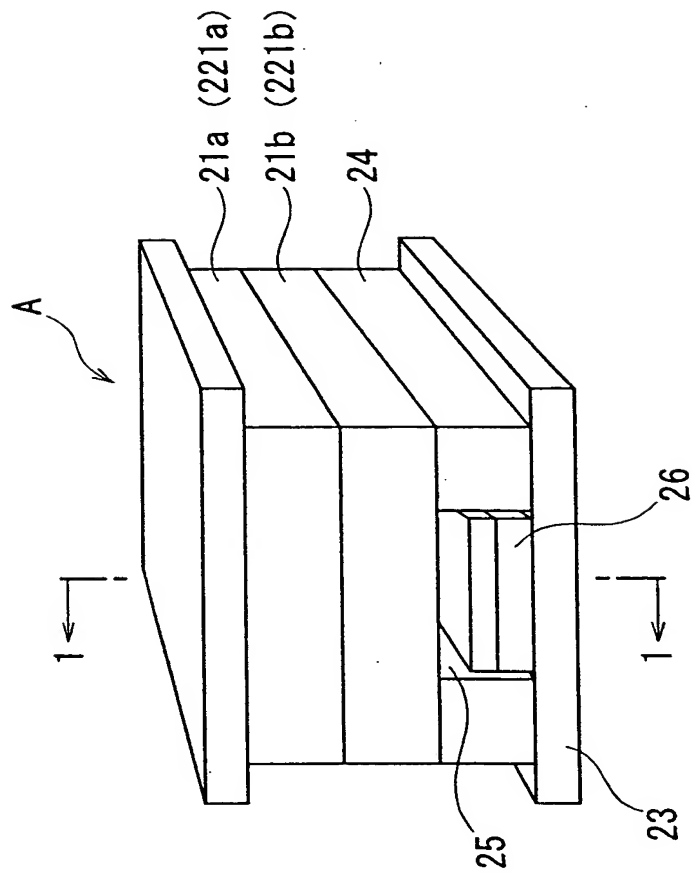
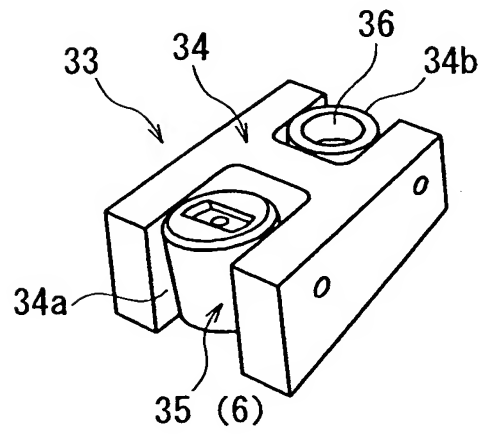
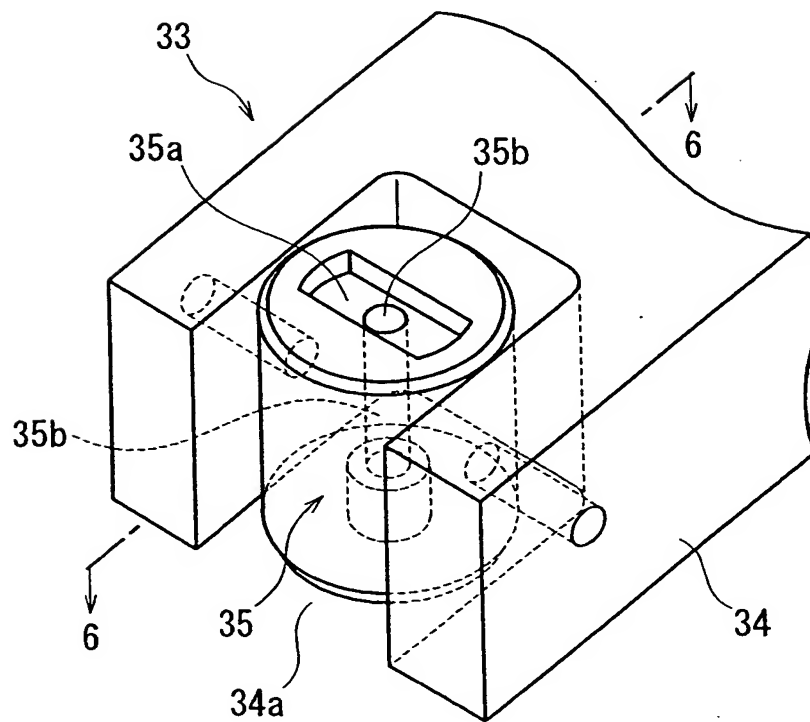


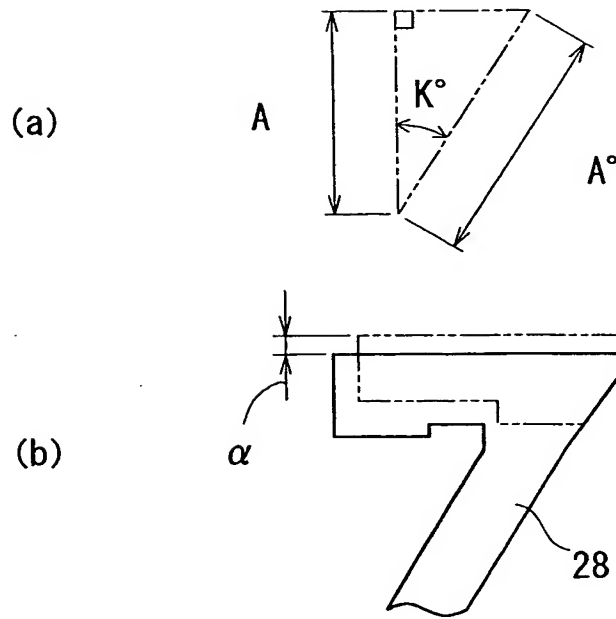
Fig. 2



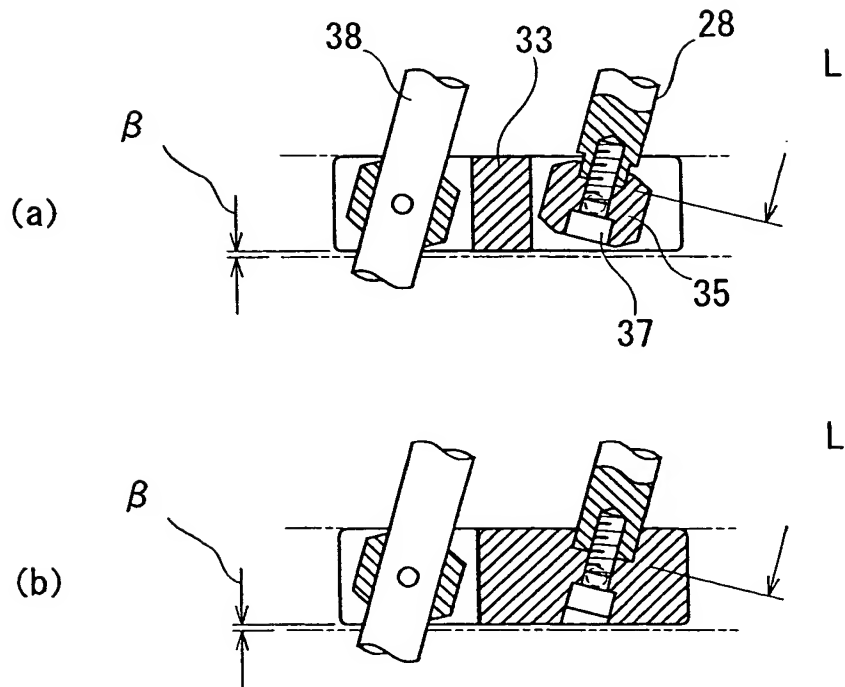
*Fig. 3*



*Fig. 4*



*Fig. 5*



*Fig. 6*

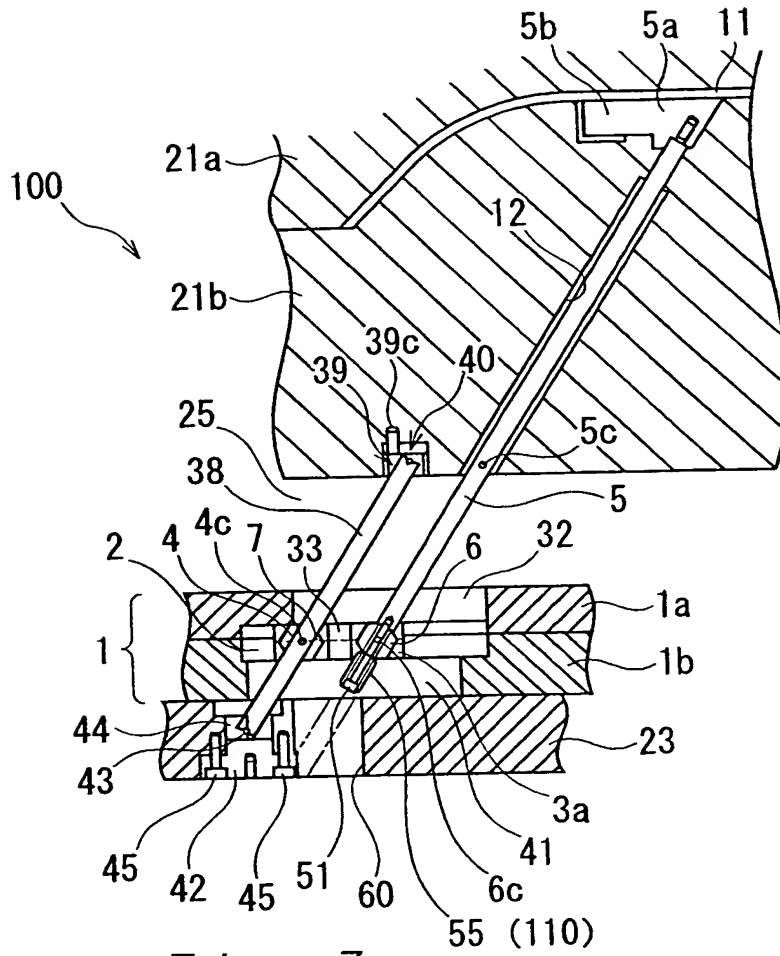


Fig. 7

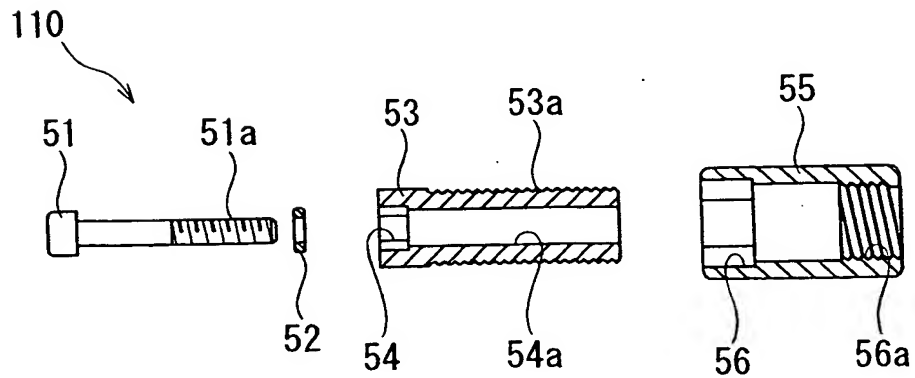


Fig. 8

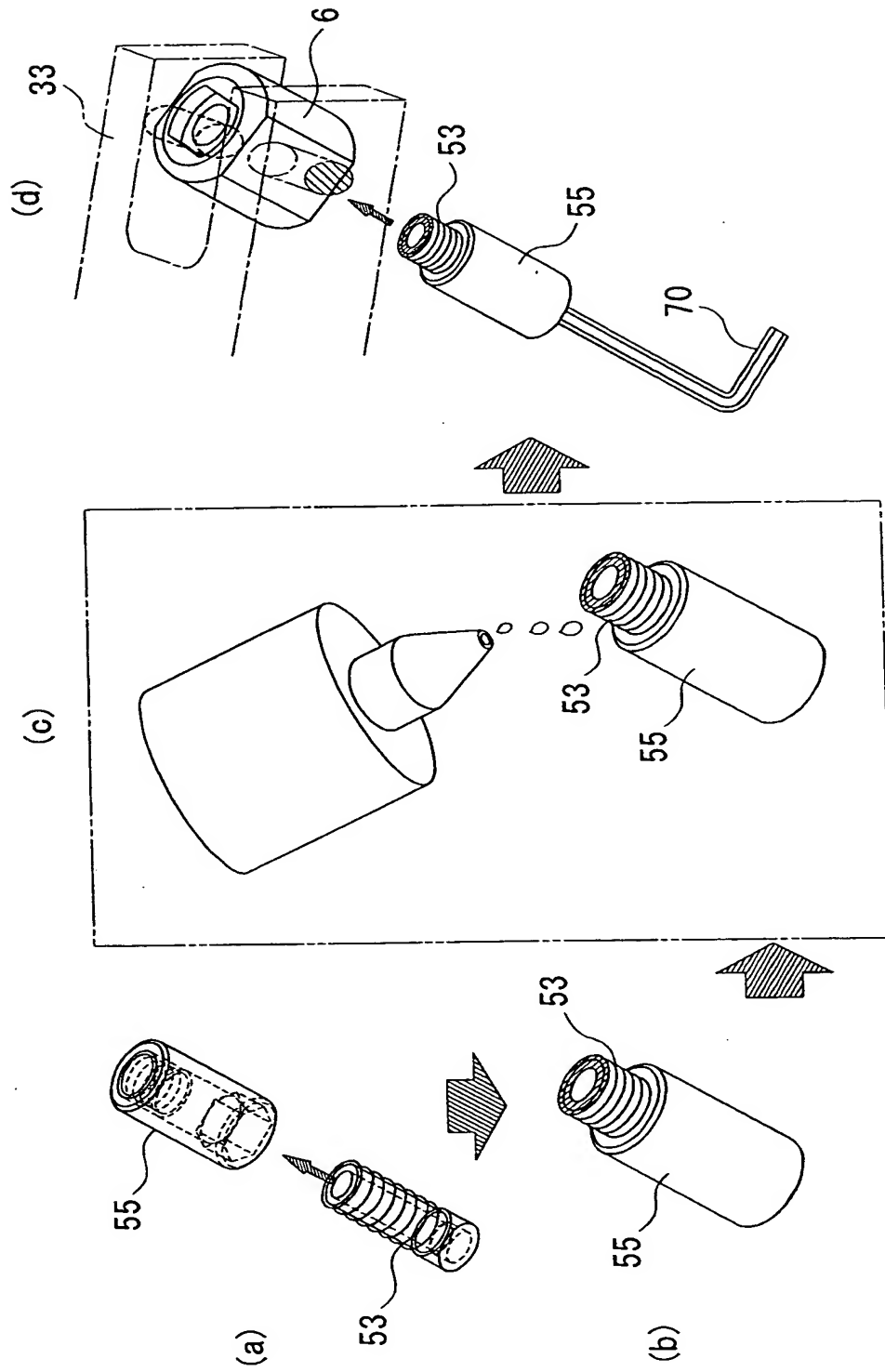


Fig. 9

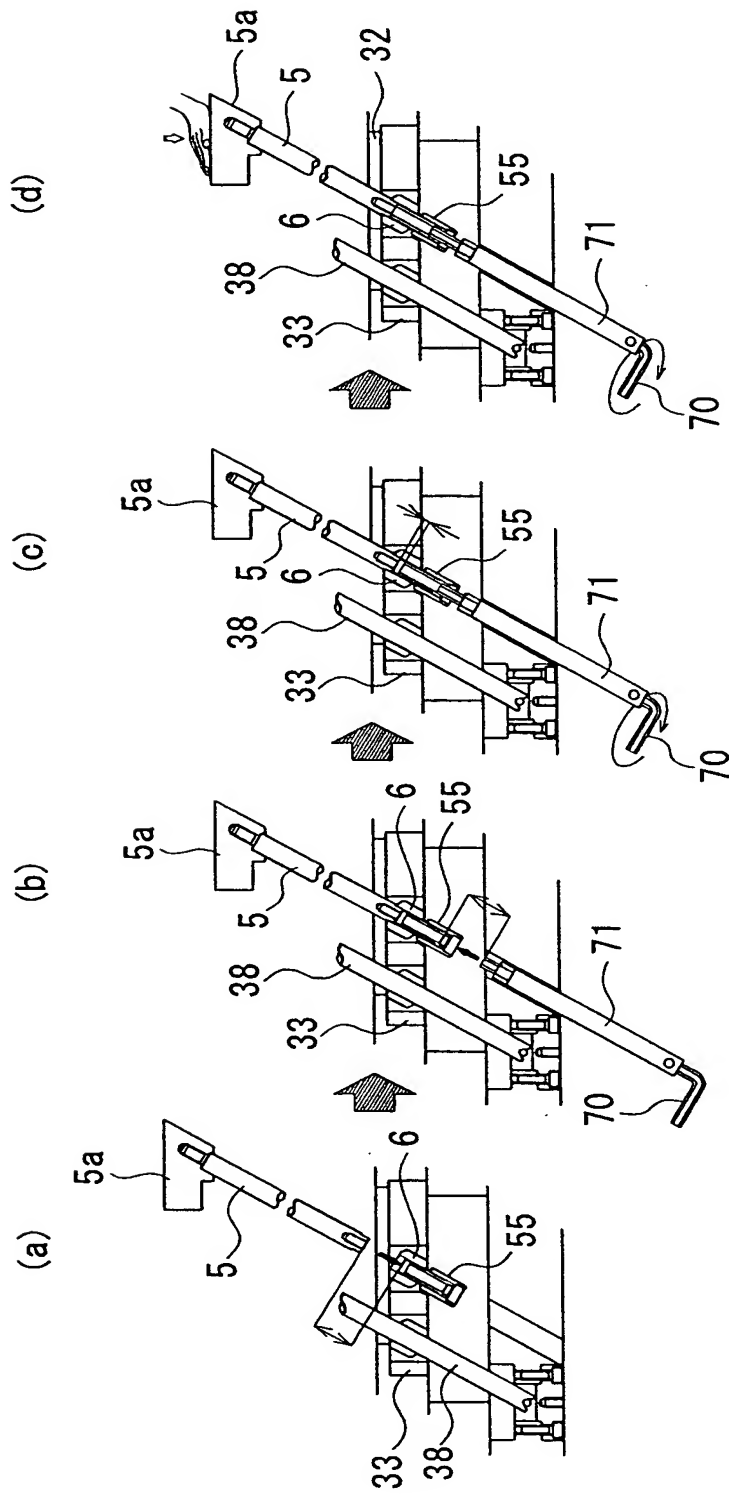


Fig. 10

(c)

Adjusting screw return angle and clearance setting amount		Screw thread pitch		45°	90°
Adjusting screw					
M	M8	1.0	0.13	0.25	
L	M12	1.5	0.2	0.38	
LL	M14	1.5	0.2	0.38	
EL	M18	2.0	0.3	0.5	
FL	M22	2.0	0.3	0.5	

Calculation example for evaluating thermal expansion of core-rod/bar

Length of core-rod/bar; 600mm

Average temperature rise; 20 to 30°C

Coefficient of linear expansion;  $1.2 \times 10^{-5}$

Thermal expansion;  $600 \times (20 \text{ to } 30) \times 1.2 \times 10^{-5} = 0.14 \text{ to } 0.22$

Example of adjustment of thermal expansion of core-rod/bar;

In the case of LLS-LL, from the

LL	M14	1.5	0.2	0.38
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section of the above table, the return amount and the reversing angle for the adjusting screw are 0.2 and 45°, respectively.

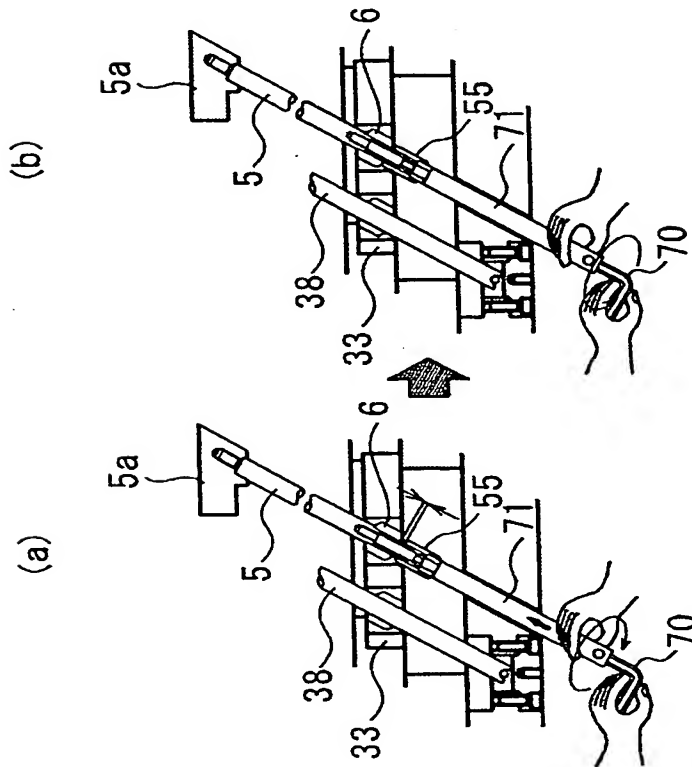


Fig. 11



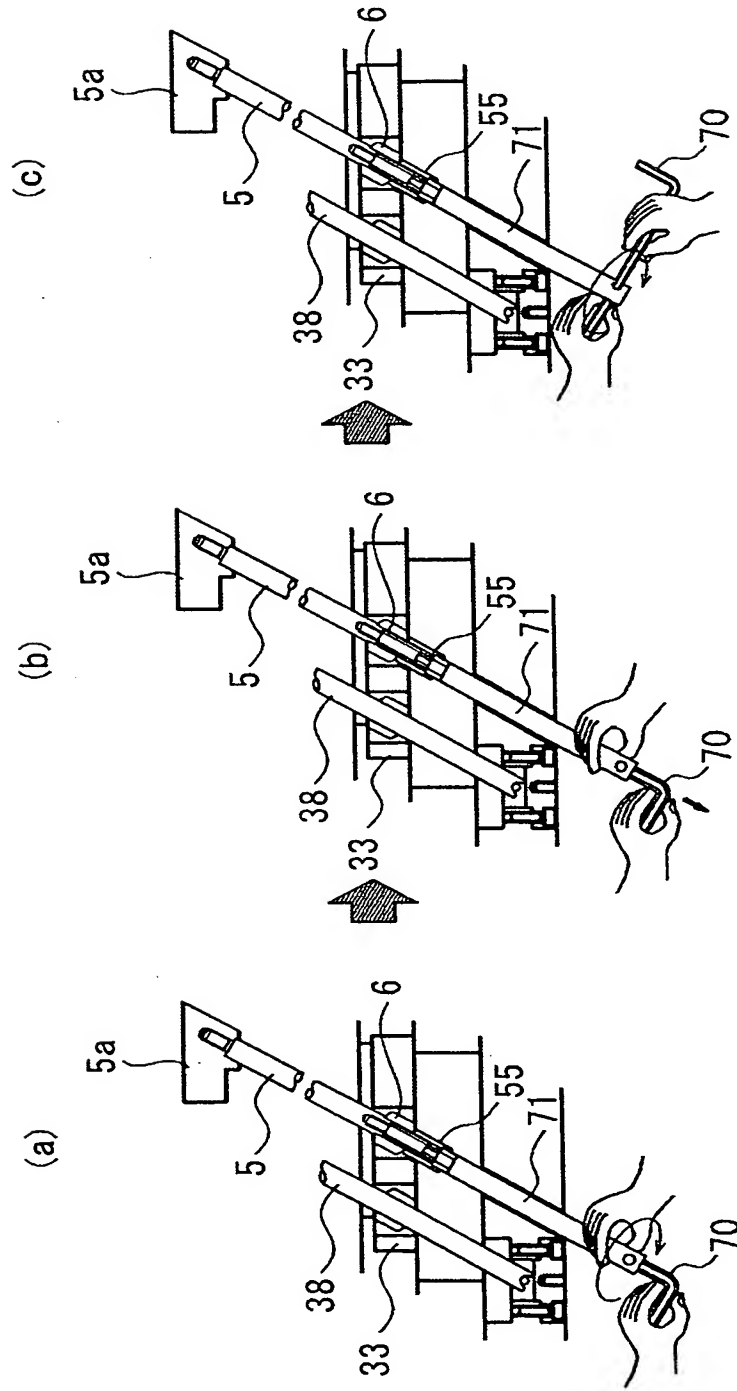


Fig. 12

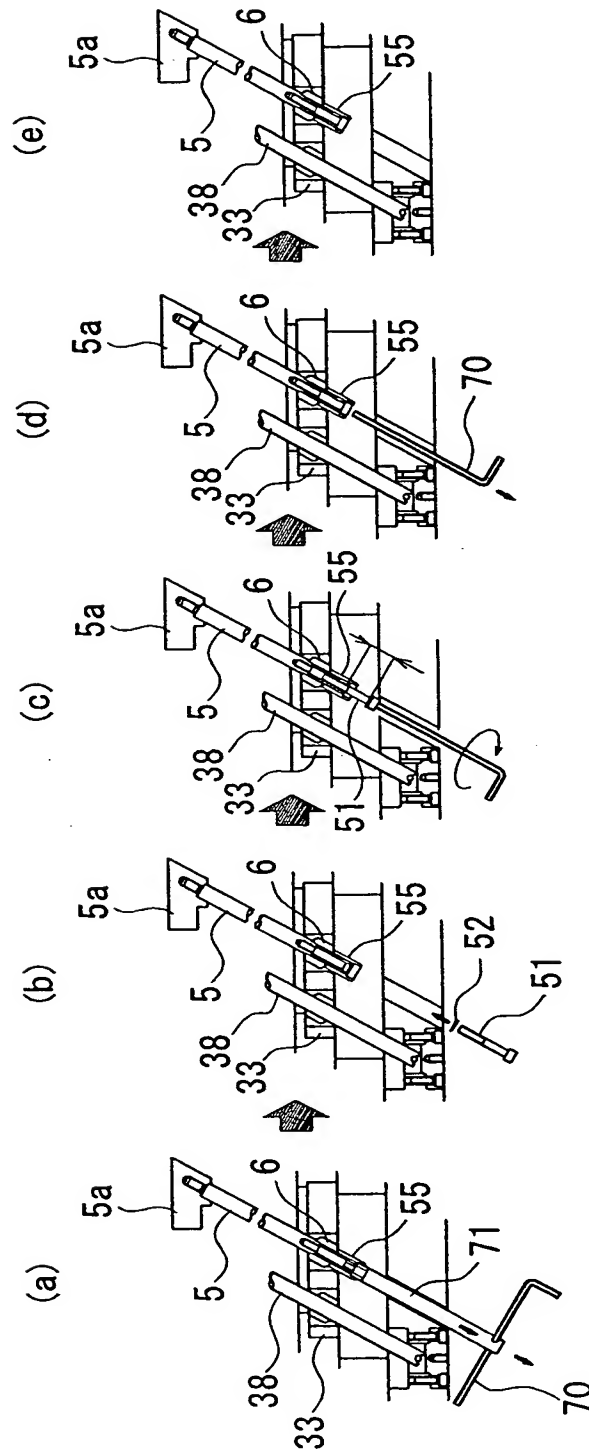


Fig. 13

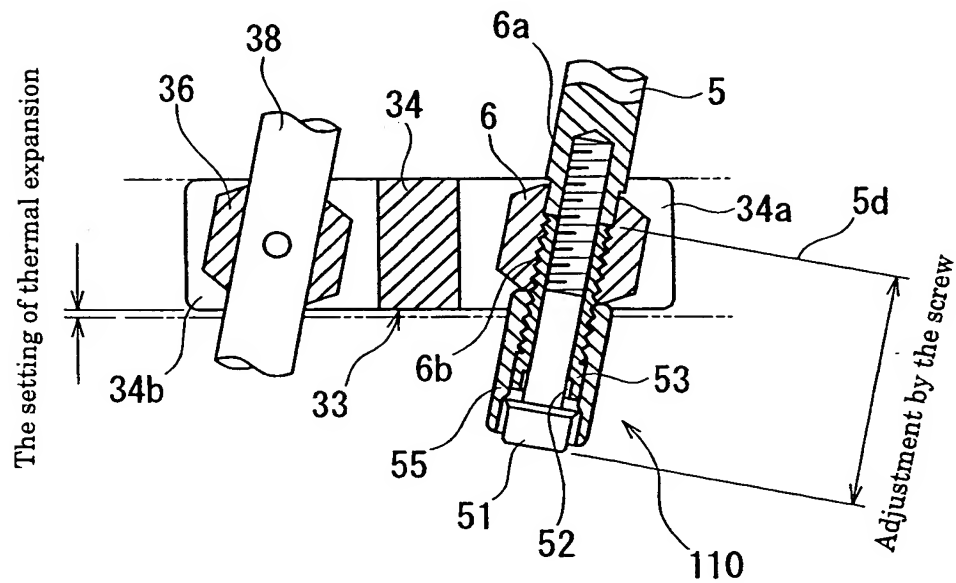
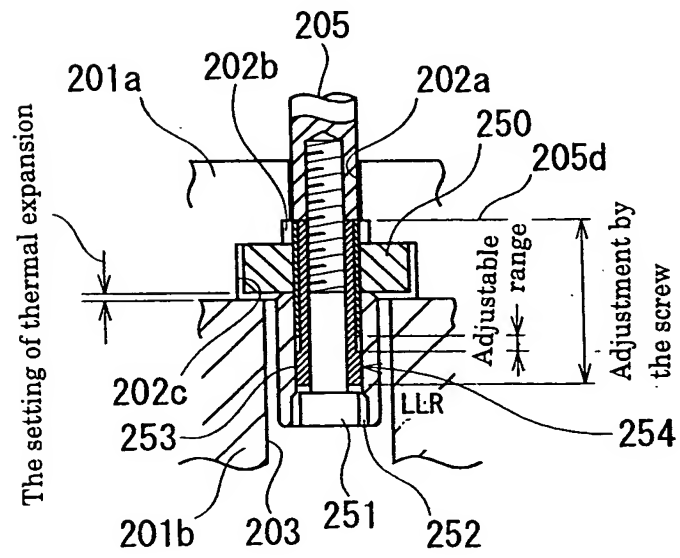
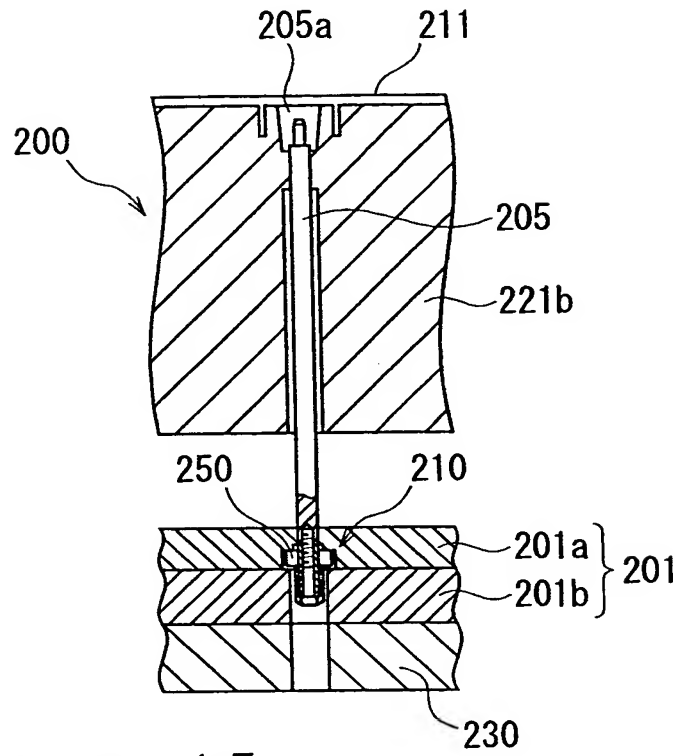
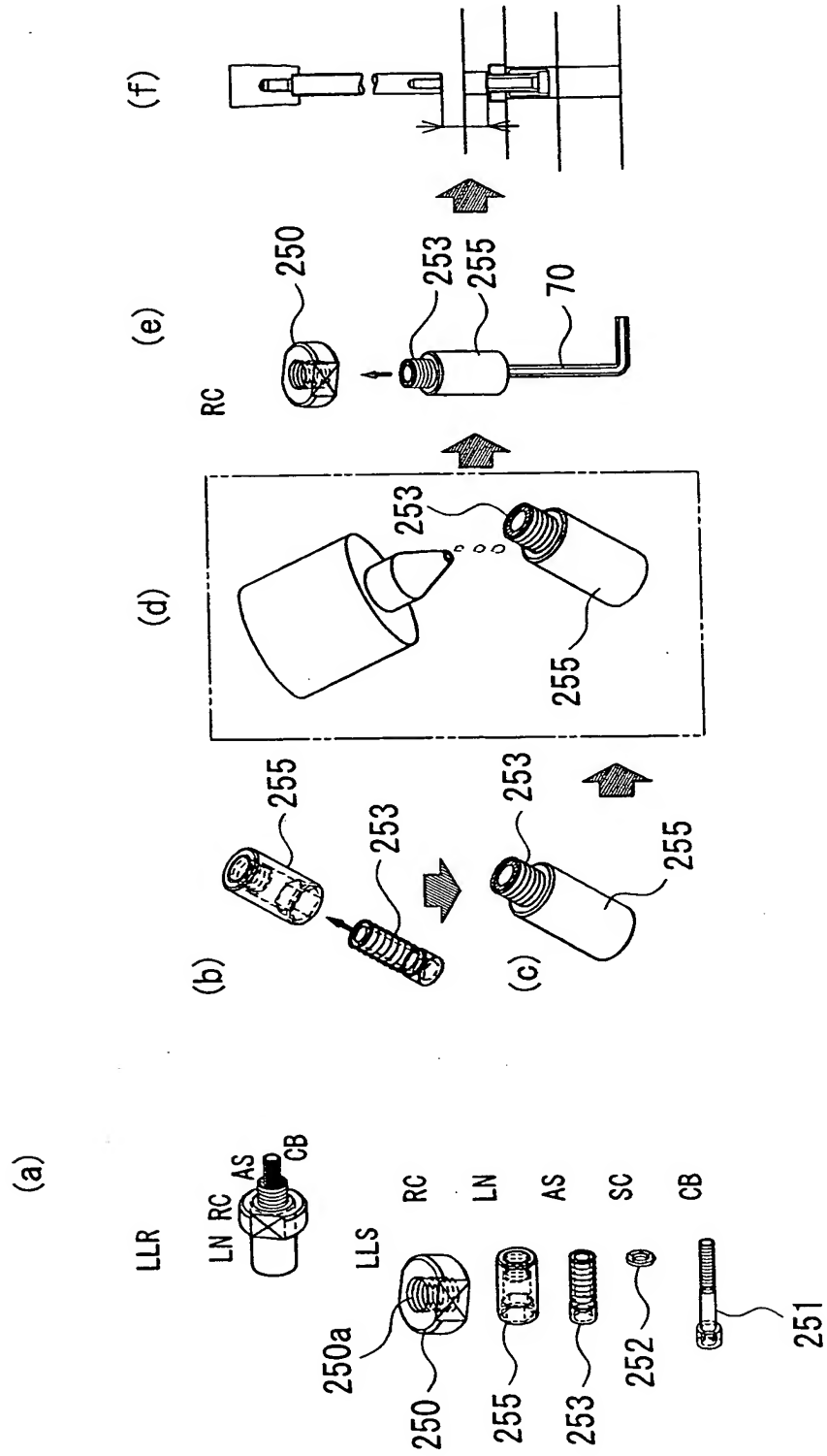


Fig. 14





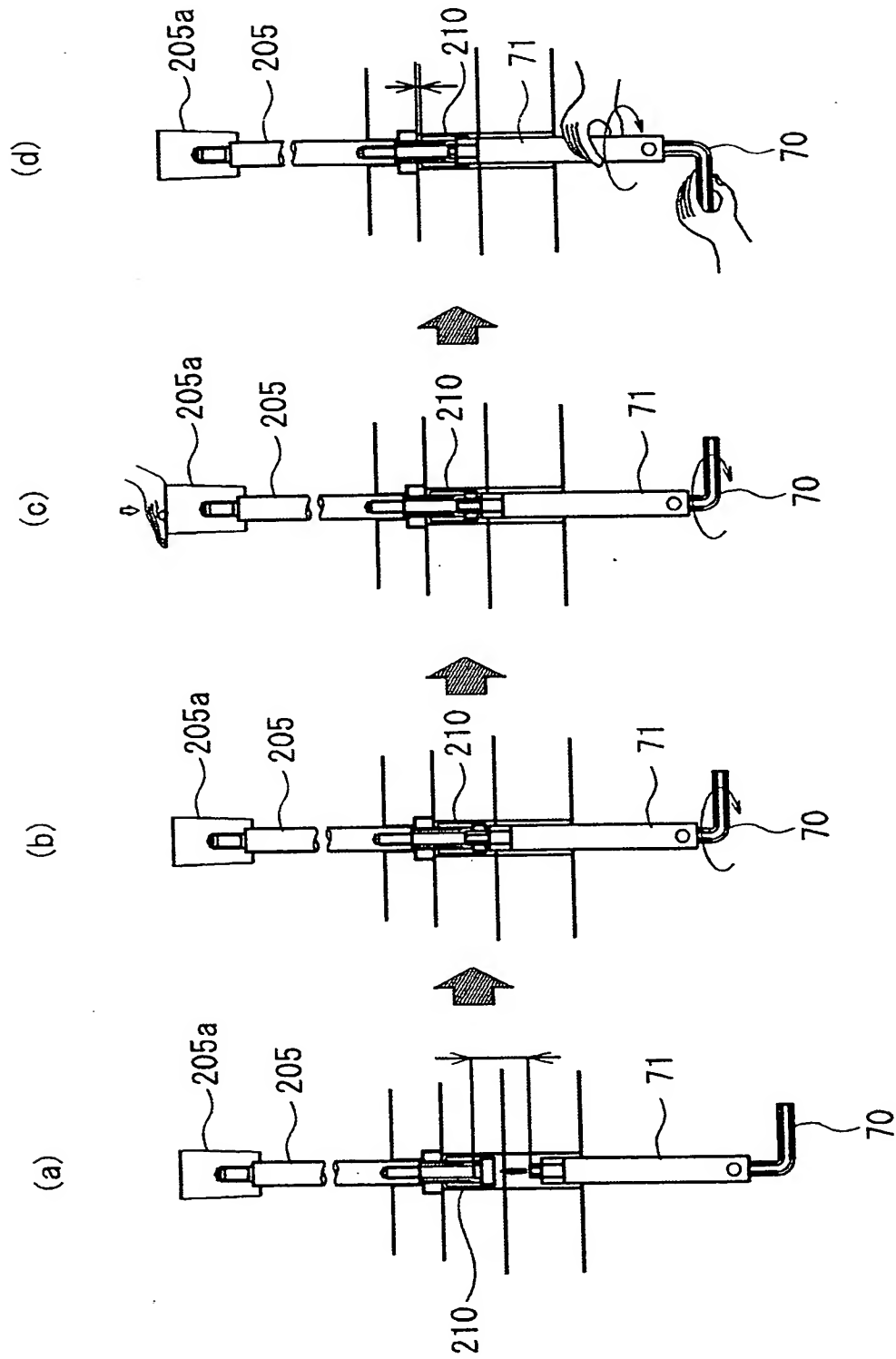


Fig. 18

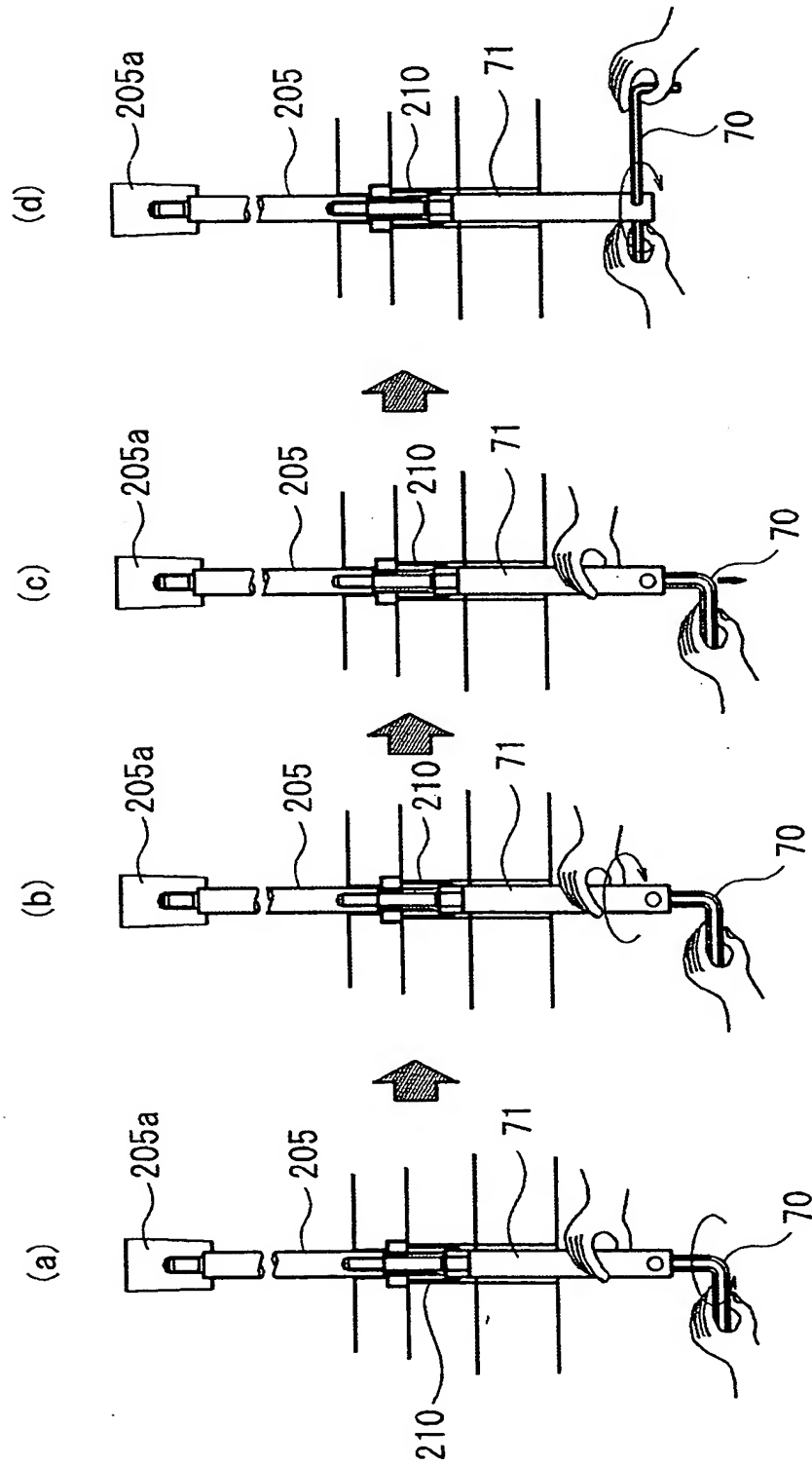


Fig. 19

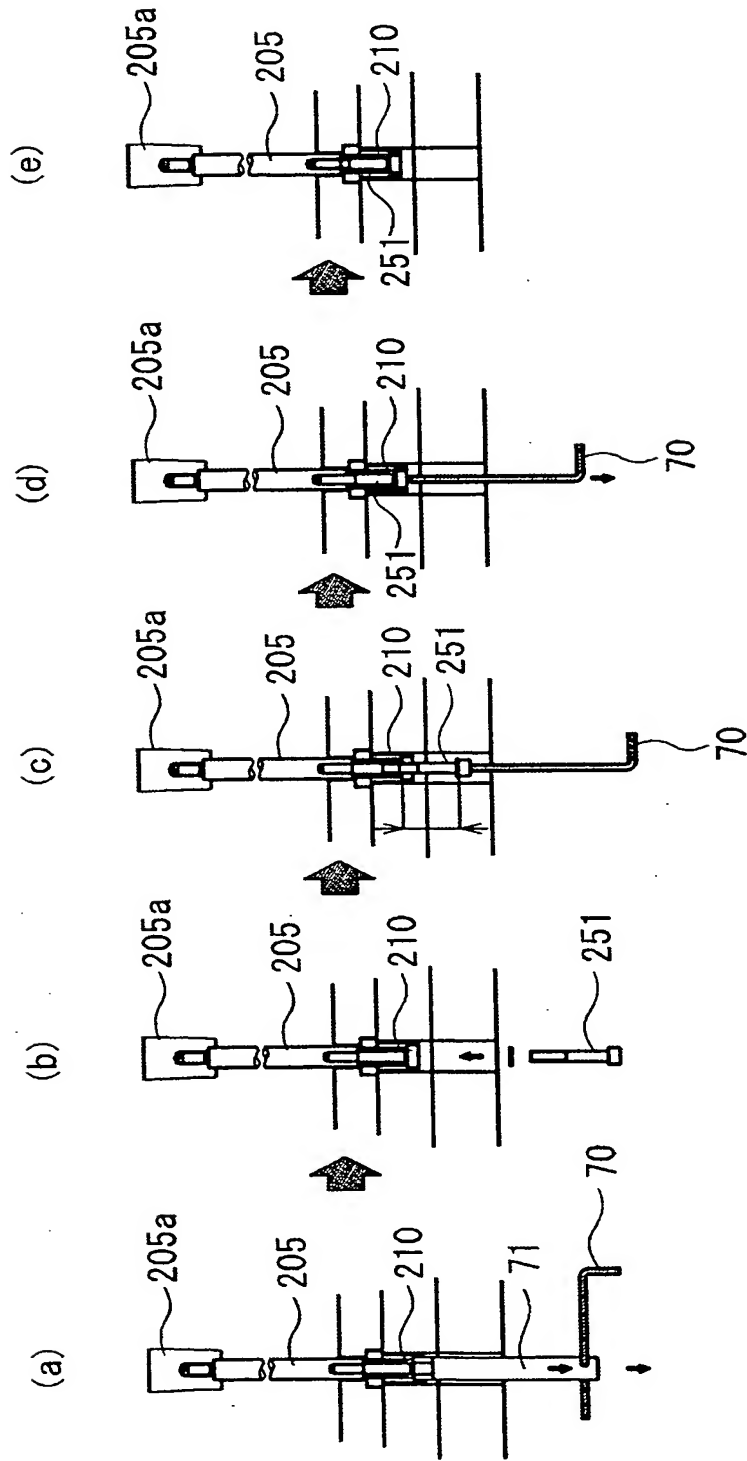
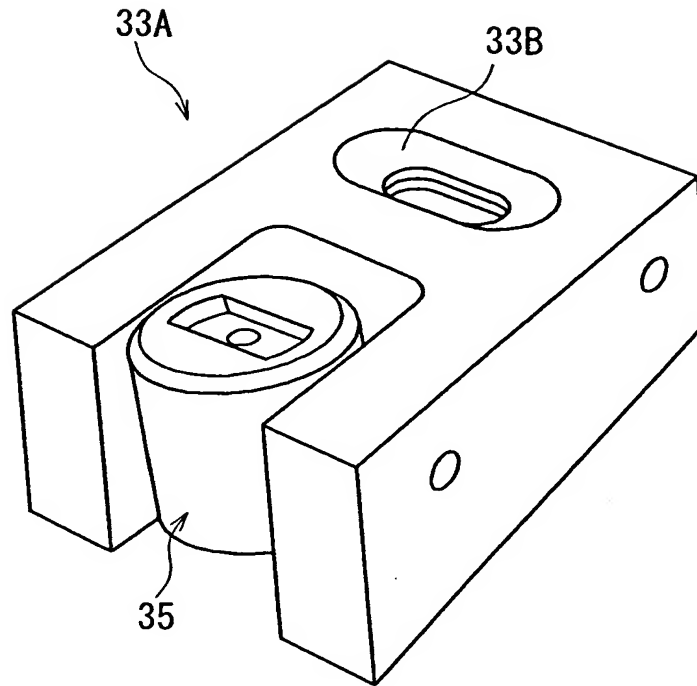


Fig. 20





*Fig. 21*